

**NEW JERSEY DEPARTMENT  
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PERMITTING**

**GENERAL PERMIT REGISTRATION FORM FOR  
BOILER (S) AND OTHER INDIRECT FIRED EXTERNAL COMBUSTION EQUIPMENT  
[>=10 MMBTU PER HOUR AND < 50 MMBTU PER HOUR]**

**SECTION A: FACILITY PROFILE**

Facility ID Number \_\_\_\_\_ Facility Name \_\_\_\_\_

**Street Address**

Address Line 1 \_\_\_\_\_  
Address Line 2 \_\_\_\_\_  
Address Line 3 \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_

**Mailing Address** ☐ Check if same as street address above

Address Line 1 \_\_\_\_\_  
Address Line 2 \_\_\_\_\_  
Address Line 3 \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_

**County**

County Where Facility Is Located \_\_\_\_\_

**Location Description**

\_\_\_\_\_  
\_\_\_\_\_

**Mailing Instructions  
and Information:**

Mail Registration Form & Fee to:  
NJDEP - Air Quality Permitting Program  
401 E. State Street, PO Box 027  
Trenton, New Jersey 08625-0027

Fee Amount: \$250  
Make checks payable to "Treasurer, State of NJ"

For Assistance, Please call:  
(800) 441-0065 within NJ  
(609) 292-6716 outside NJ

**Industry Information**

Primary SIC \_\_\_\_\_  
Secondary SIC \_\_\_\_\_

**Facility Contact**

Contact person (check one or check both if owner is the operator) ☐ Owner ☐ Operator

Name	_____	Organization	_____
Title	_____	Organization Type	_____
Phone	_____	NJ EIN	_____
Fax	_____	Mailing Address	_____
Other	_____	Address Line 2	_____
Type	_____	Address Line 3	_____
E-mail	_____	City	_____ State ____ Zip _____

**SECTION B: REASON FOR APPLYING** (Check one)☐ New or Existing, Unpermitted Unit(s)☐ Permitted Unit(s)

Previous Permit and/or Certificate Number(s): \_\_\_\_\_

(See Instructions, Section B for details) \_\_\_\_\_

**SECTION C: EQUIPMENT INVENTORY**

<b>Emission Unit NJID #</b>	<b>Facility Designation of Emission Unit</b>
U-	

<b>Equipment NJID</b>	E –
<b>Emission Point NJID</b>	PT –
	<b>Facility Designation of Equipment</b>
<b>Equipment Type</b>	<input type="checkbox"/> Boiler <input type="checkbox"/> Process Heater
<b>Equipment Make</b>	
<b>Equipment Manufacturer</b>	
<b>Equipment Model</b>	
<b>Equipment Serial Number</b>	
<b>Installation Date (MM/DD/YYYY)</b>	
<b>Last Modified Date (MM/DD/YYYY)</b>	
<b>Max. Rated Heat input (MMBTU/Hour)</b>	
<b>NOx Control Technology</b>	<input type="checkbox"/> Low NOx burner only <input type="checkbox"/> Low NOx burner with flue gas recirculation
<b>Fuel (s) Combusted</b>	<input type="checkbox"/> Permitted gaseous fuel only <input type="checkbox"/> Permitted liquid fuel only <input type="checkbox"/> Permitted gaseous fuel with Permitted liquid fuel backup

<b>Equipment NJID</b>	E –
<b>Emission Point NJID</b>	PT –
	<b>Facility Designation of Equipment</b>
<b>Equipment Type</b>	<input type="checkbox"/> Boiler <input type="checkbox"/> Process Heater
<b>Equipment Make</b>	
<b>Equipment Manufacturer</b>	
<b>Equipment Model</b>	
<b>Equipment Serial Number</b>	
<b>Installation Date (MM/DD/YYYY)</b>	
<b>Last Modified Date (MM/DD/YYYY)</b>	
<b>Max. Rated Heat input (MMBTU/Hour)</b>	
<b>NOx Control Technology</b>	<input type="checkbox"/> Low NOx burner only <input type="checkbox"/> Low NOx burner with flue gas recirculation
<b>Fuel (s) Combusted</b>	<input type="checkbox"/> Permitted gaseous fuel only

Boilers and other Indirect Fired External Combustion Equipment

[10 MMBTU/hr or greater and less than 50 MMBTU/hr]

Application and Instructions

		<input type="checkbox"/> Permitted liquid fuel only <input type="checkbox"/> Permitted gaseous fuel with Permitted liquid fuel backup
<b>Equipment NJID</b>	E –	
<b>Emission Point NJID</b>	PT –	
	<b>Facility Designation of Equipment</b>	
	<b>Equipment Type</b>	<input type="checkbox"/> Boiler <input type="checkbox"/> Process Heater
	<b>Equipment Make</b>	
	<b>Equipment Manufacturer</b>	
	<b>Equipment Model</b>	
	<b>Equipment Serial Number</b>	
	<b>Installation Date (MM/DD/YYYY)</b>	
	<b>Last Modified Date (MM/DD/YYYY)</b>	
	<b>Max. Rated Heat input (MMBTU/Hour)</b>	
	<b>NOx Control Technology</b>	<input type="checkbox"/> Low NOx burner only <input type="checkbox"/> Low NOx burner with flue gas recirculation
	<b>Fuel (s) Combusted</b>	<input type="checkbox"/> Permitted gaseous fuel only <input type="checkbox"/> Permitted liquid fuel only <input type="checkbox"/> Permitted gaseous fuel with Permitted liquid fuel backup

<b>Equipment NJID</b>	E –	
<b>Emission Point NJID</b>	PT –	
	<b>Facility Designation of Equipment</b>	
	<b>Equipment Type</b>	<input type="checkbox"/> Boiler <input type="checkbox"/> Process Heater
	<b>Equipment Make</b>	
	<b>Equipment Manufacturer</b>	
	<b>Equipment Model</b>	
	<b>Equipment Serial Number</b>	
	<b>Installation Date (MM/DD/YYYY)</b>	
	<b>Last Modified Date (MM/DD/YYYY)</b>	
	<b>Max. Rated Heat input (MMBTU/Hour)</b>	
	<b>NOx Control Technology</b>	<input type="checkbox"/> Low NOx burner only <input type="checkbox"/> Low NOx burner with flue gas recirculation
	<b>Fuel (s) Combusted</b>	<input type="checkbox"/> Permitted gaseous fuel only <input type="checkbox"/> Permitted liquid fuel only <input type="checkbox"/> Permitted gaseous fuel with Permitted liquid fuel backup

(ATTACH ADDITIONAL EQUIPMENT INVENTORY SHEETS IF NECESSARY)

## **SECTION D: PERMITTING OPTIONS**

This General Permit covers a single or multiple boilers or indirect fired external combustion equipment. Individual equipment must have a maximum heat input capacity of greater than or equal to 10 million BTU per hour but less than 50 million BTU per hour must combust only the following fuels: natural gas, propane, kerosene, diesel oil or No. 2 fuel oil. Each piece of equipment covered by this permit shall be equipped with a Low NO<sub>x</sub> burner(s) or a Low NO<sub>x</sub> burner(s) with Flue Gas Recirculation that meets the Equipment/Control Specifications in Section V of the General Permit. Each piece of equipment covered by this permit shall vent to a stack with a height no less than thirty (30) feet above ground level. Each facility may possess only one GP-009 at any time. A facility wishing to change this General Permit by adding new equipment or modifying existing equipment must follow the procedure listed in Applicability, Section III of the General Permit.

Annual fuel limits must be monitored by a dedicated fuel flow meter as specified in the permit. Indicate how the equipment in this permit is being registered by selecting one General Permit Number from one of the three options listed below. **Only ONE box** may be checked in the tables below. Compliance shall be demonstrated through Monitoring by a Fuel Flow Meter.

Print the General Permit Number Selected Below: LNB-\_\_\_\_\_

<b><u>Option A (Burning permitted gaseous fuels)</u></b>						
<b>Tons per year (TPY) Potential to emit limits established by selecting annual fuel use category regardless of boiler heat input rating or number of pieces of equipment.</b>						
<b>General Permit Number</b>	<b>Natural Gas MMCF/Yr.</b>	<b>PM (TPY)</b>	<b>SO<sub>2</sub> (TPY)</b>	<b>CO (TPY)</b>	<b>VOC (TPY)</b>	<b>NO<sub>x</sub> (TPY)</b>
<b>LNB- A1</b>	<b>100</b>	0.380	0.030	2.55	0.260	1.78
<b>LNB- A2</b>	<b>200</b>	0.760	0.060	5.10	0.510	3.57
<b>LNB- A3</b>	<b>300</b>	1.14	0.090	7.65	0.760	5.36
<b>LNB- A4</b>	<b>400</b>	1.52	0.120	10.2	1.02	7.14
<b>LNB- A5</b>	<b>500</b>	1.90	0.150	12.8	1.28	8.92
<b>LNB- A6</b>	<b>600</b>	2.28	0.180	15.3	1.53	10.7
<b>LNB- A7</b>	<b>700</b>	2.66	0.210	17.8	1.78	12.5

<b><u>Option B (Burning permitted liquid fuels)</u></b>						
<b>Tons per year (TPY) Potential to emit limits established by selecting annual fuel use category regardless of boiler heat input rating or number of pieces of equipment. Sulfur content in fuel is limited to a maximum of 0.05% by weight.</b>						
<b>General Permit Number</b>	<b>Fuel Oil Gallons/Yr.</b>	<b>PM (TPY)</b>	<b>SO<sub>2</sub> (TPY)</b>	<b>CO (TPY)</b>	<b>VOC (TPY)</b>	<b>NO<sub>x</sub> (TPY)</b>
<b>LNB- B1</b>	<b>200,000</b>	0.200	0.71	0.54	0.140	0.830
<b>LNB- B2</b>	<b>400,000</b>	0.400	1.42	1.08	0.280	1.67
<b>LNB- B3</b>	<b>600,000</b>	0.600	2.13	1.63	0.420	2.50
<b>LNB- B4</b>	<b>800,000</b>	0.800	2.84	2.17	0.560	3.34
<b>LNB- B5</b>	<b>1,000,000</b>	1.00	3.55	2.71	0.700	4.17
<b>LNB- B6</b>	<b>1,200,000</b>	1.20	4.26	3.25	0.830	5.00
<b>LNB- B7</b>	<b>1,400,000</b>	1.40	4.97	3.80	0.970	5.84

<b>Option C</b> <b><u>(Burning permitted gaseous fuels with backup of permitted liquid fuels)</u></b>						
<b>Tons per year (TPY) Potential to emit limits established by selecting annual fuel use category regardless of boiler heat input rating or number of pieces of equipment. Sulfur content in liquid fuels is limited to a maximum of 0.05% by weight.</b>						
<b>General Permit Number</b>	<b>Natural Gas* MMCF/Yr.</b>	<b>PM (TPY)</b>	<b>SO2 (TPY)</b>	<b>CO (TPY)</b>	<b>VOC (TPY)</b>	<b>NOx (TPY)</b>
<b>LNB-C1</b>	<b>100</b>	0.880	1.81	3.91	0.600	3.87
<b>LNB-C2</b>	<b>200</b>	1.26	1.84	6.46	0.860	5.66
<b>LNB-C3</b>	<b>300</b>	1.64	1.87	9.01	1.11	7.44
<b>LNB-C4</b>	<b>400</b>	2.02	1.90	11.6	1.37	9.22
<b>LNB-C5</b>	<b>500</b>	2.40	1.93	14.1	1.62	11.0
<b>LNB-C6</b>	<b>600</b>	2.78	1.96	16.7	1.88	12.8

\* Option C includes the use of up to 500,000 gallons of applicable liquid fuel regardless of which gaseous fuel limit selected.

**NOTE:** For SO2 and PM the PTE *annual emissions listed in Options A, B and C were calculated using emission factors from AP-42, Fifth Edition, Volume 1, Chapter 1 (Fuel Oil Combustion 9/98, Natural Gas Combustion 7/98). NOx, CO and VOC are based on ppm and lb./MMBTU values of 0.035 lb. NOx/MMBTU natural gas, 0.06 lb. NOx/MMBTU distillate oil, 0.05 lb. CO/MMBTU natural gas and 0.039 lb. CO/MMBTU distillate oil and 0.005 lb. VOC/MMBTU natural gas and 0.01 lb. VOC/MMBTU distillate oil.*

## **SECTION E: CERTIFICATION**

"I certify under penalty of law that I believe the information provided in this document is true, accurate, and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information."

\_\_\_\_\_  
Name of Individual  
With Direct Knowledge

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attached documents and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information."

\_\_\_\_\_  
Name of Responsible Official

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

For Department Use Only

PER#

Fee



**INSTRUCTIONS FOR COMPLETING THE REGISTRATION FORM FOR  
BOILER (S) AND OTHER INDIRECT FIRED EXTERNAL COMBUSTION EQUIPMENT  
[>=10 MMBTU PER HOUR AND < 50 MMBTU PER HOUR]**

**SECTION A: FACILITY PROFILE**

**Facility (ID Number & Name)** - Enter the New Jersey air pollution facility identification number (ID) followed by the facility name for which the General Permit is being registered. The ID is a five-digit number assigned by the New Jersey Department of Environmental Protection. Your facility name is the one registered with the New Jersey Secretary of State, under which your facility does business.

**Street Address** - Enter the address of the facility where the equipment to be permitted is physically located.

**Mailing Address** - Enter the facility's mailing address. If it is the same as the facility location, check the box provided.

**Mailing Instructions & Information** - Once the General Permit Registration Form has been completed, it should be mailed along with the appropriate fee(s) to the New Jersey Department of Environmental Protection at the address listed on the front page of the Registration form. The fee is \$250.00 per General Permit Registration Form submitted. Make checks payable to: Treasurer, State of New Jersey.

**County** - Enter the county in which the facility is located (**not the mailing Address County**).

**Location Description** - Describe the facility's location if it is difficult to find using the street address. If you have to give a visitor directions to your facility, consider showing them here. (*Example*: Two miles down the access road that leaves state highway 29 at mile marker 10.?)

**Industry Information** - Enter the facility's four-digit primary and secondary (if any) Standard Industrial Classification Codes (SIC) or equivalent. Use the codes registered with the US Department of Labor. You may also refer to the SIC manual from the U.S. Office of Management and Budget or equivalent industrial classification code.

**Facility Contact** - Check the box indicating the facility contact person for this General Permit Registration. If the owner and operator are the same, check both boxes. Enter the following information for the Facility Contact: Name, title, phone and fax numbers, other phone numbers and type (*Example*: pager, toll free, cell phone), e-mail address, the organization that the contact person works for; organization type (federal, local, public, private, state or utility); the New Jersey Employer Identification Number (EIN); and mailing address.

**SECTION B: REASON FOR APPLYING**

This section of the General Permit Registration Form provides the Department with the reason the General Permit Registration Form is being submitted.

**New or Existing, Unpermitted Equipment Source(s)** - Check this box if this application is being filed for a unit(s) for which no current permit exists.

**Permitted Equipment Source(s)** - Check this box if this application is being filed to supercede an existing permit(s) covering a single or multiple units.

**Previous Permit or Certificate Number** - If the equipment source(s) which are covered by a previous permit or certificate, list the previous permit or certificate number (s).



## **SECTION C: EQUIPMENT INVENTORY**

**Emission Unit NJID** - A facility may do either one of the two following:

- 1-** Enter a unique 6 digit identification number (*example:* U-000010) that identifies the external combustion operation covered by this General Permit. Once a number is used to identify the external combustion operation or any another piece of equipment group at the facility, the same number cannot be used to identify any other piece of equipment or operation at the facility. (**Note:** If the 6 digit identification number the facility enters is incorrect or conflicts with any number registered with the Department, then the Department will assign an appropriate number for the equipment);
- 2-** Leave this line blank and the Department will assign an appropriate 6-digit identification number for the external combustion operation covered by this General Permit. The Department will not assign the same two numbers for any piece of equipment registered for the facility.

**Facility Designation of Emission Unit** - Enter the name by which the facility identifies the external combustion operation. (*Example:* Boiler R3A at Terminal A).

**Equipment NJID** - see **Emission Unit NJID**

**Emission Point NJID** - see **Emission Unit NJID**

**Facility Designation of Equipment** - Enter the type and a given name of the equipment (you may want to check with your Maintenance Department for consistency) at the facility. If the equipment was previously permitted the same designation should be used as before.

**Equipment Type** - Check the box that corresponds to the type of equipment. Only **ONE** box may be checked for each piece of equipment.

**Equipment Make** - Enter the make of the source equipment.

**Equipment Manufacturer** - Enter the manufacturer of the source equipment.

**Equipment Model** - Enter the model of the source equipment.

**Equipment Serial Number** – Enter the unique model and serial number from the external combustion equipment.

**Installation Date** - Enter the date on which the source was installed

**Last modification Date** - Enter the date on which the source was most recently modified (if any).

**Max. Rated Heat input (MMBTU/Hour)** - Enter the maximum combined gross heat input capacity of the boiler or indirect fired external combustion equipment in MMBTU/hour based.

**NOx Control Technology** - Check the box that corresponds to the type of NOx control technology used the equipment. Only **ONE** box may be checked for each piece of equipment.

**Fuel (s) Combusted** – Check the box that corresponds to the type of fuel combusted in the equipment. Only **ONE** box may be checked for each piece of equipment.

## **SECTION D: PERMITTING SCENARIOS**

This General Permit covers a single or multiple boilers or indirect fired external combustion equipment. Individual equipment must have a maximum heat input capacity of greater than or equal to 10 million BTU per hour but less than 50 million BTU per hour must combust only the following fuels: natural gas, propane, kerosene, diesel oil or No. 2 fuel oil.

Annual fuel limits must be monitored by a dedicated fuel flow meter as specified in the permit. Indicate how the equipment in this permit is being registered by selecting one General Permit Number from one of the three options table listed. **Only ONE box** may be checked in the tables. Compliance shall be demonstrated through Monitoring by a Fuel Flow Meter. The number checked should also be entered on the line below the table.

**NB:** Option C includes the use of up to 500,000 gallons of applicable liquid fuel regardless of which gaseous fuel limit selected

## **SECTION E: CERTIFICATION**

Print or type the name and title of person submit with original signature and date the application in the spaces provided.

**Individual with Direct Knowledge** - Individual listed as the contact person or any person with direct knowledge of and responsibility for the information contained in the General Permit Registration Form. This may or may not be the same person who signs as the Responsible Official defined below.

**Responsible Official** - Any company executive charged with environmental responsibilities. A Responsible Official as defined in N.J.A.C. 7:27-1.4 is as follows:

- |                            |  |
|----------------------------|--|
| For a corporation:         | a president, secretary, treasurer, or vice-president of the corporation; any other person who performs similar policy or decision making functions for the corporation; or a duly authorized representative responsible for the overall operation of a facility (plant manager, etc.). |
| For a partnership:         | a general partner.   |
| For a sole proprietorship: | the proprietor   |
| For a government agency:   | either a principal executive officer or ranking elected official.  |